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TITLE : METHOD FOR BONDING SILICONE RUBBER

ABSTRACT : PURPOSE: To bond a silicone rubber in good dimensional precision and high bonding force by applying a liquid addition reaction type, condensation reaction type and heat curing type silicon rubber adhesives to a body to be bonded and partially curing these adhesives individually or in mixed state and bringing the cured coating film into contact with an uncured silicone rubber.

CONSTITUTION: (A) An addition reaction type liquid silicone rubber adhesive consisting of an organopolysiloxane containing ≥ 2 vinyl groups in one molecule, an organohydrodienepolysiloxane, a platinum-based catalyst and an adhesive improver and having 10-4000 poise viscosity, (B) a condensation reaction type liquid silicone rubber adhesive having 10-4000 poise viscosity and (C) a heat curing type liquid silicone rubber adhesive consisting of a millable type of silicone rubber compound, a curing agent, an adhesion improver and a solvent and having 10-4000 poise are applied to a body to be bonded, separately or in blended state, and these adhesives are cured until $\geq 20\%$ cross linking degree to afford a cured coating film, which is then brought into contact with an uncured silicone rubber and heat-cured to bond the silicone rubber to a body to be bonded.

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